ENVIRONMENTAL CHEMISTS

Date of Report: 06/28/00 Date Received: 06/15/00

Project: Metro Self Monitor, PO# M64386

Date Extracted: 06/20/00 Date Analyzed: 06/20/00

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Results Reported as mg/L (ppm)

Sample ID	<u>omium</u>	Copper	Nickel	Zinc
Laboratory ID				
M64386	0.21	0.19	0.29	0.14
006074-01	dikin Hiri		a Shia Mila	FANASTA U
				t National Parties
Method Blank	0.05	< 0.05	< 0.05	$0.05 \mathrm{lc}$

lc - The presence of the compound indicated is likely due to laboratory contamination.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/28/00 Date Received: 06/15/00

Project: Metro Self Monitor, PO# M64386

QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 006074-01 (Duplicate)

	Reporting	Sample	Duplicate	Relative Percent	Acceptance
Analyte	Units	Result	Result	Difference	Criteria
Chromium	mg/L (ppm)	0.21	0.18	15	0-20
Copper	mg/L (ppm)	0.19	0.14	а	0-20
Nickel	mg/L (ppm)	0.29	0.18	a	0-20
Zinc	mg/L (ppm)	0.14	0.07	a	0-20

Laboratory Code: 006074-01 (Matrix Spike)

	Reporting	Spike	Sample	% Recover	•	104	RPD	
Analyte	Units	Level	Result	MS	MSD	Criteria		
Chromium	mg/L (ppm)	5	0.21	105	105	80-120	0	
Copper	mg/L (ppm)	5	0.19	98	96	80-120	2	
Nickel	mg/L (ppm)	10	0.29	105	106	80-120	1	
Zinc	mg/L (ppm)	5	0.14	109	113	80-120	4	

Laboratory Code: Laboratory Control Sample

	Reporting	Spike 9	% Recove	ery % Recove	ery Acceptanc	e
Analyte	Units	Level	LCS	LCSD	Criteria	RPD
Chromium	mg/L (ppm)	5	108	105	80-120	3
Copper	mg/L (ppm)	5	105	102	80-120	3
Nickel	mg/L (ppm)	10	106	105	80-120	1
Zinc	mg/L (ppm)	5	109	106	80-120	3

a - The analyte was detected at a level less than five times the reporting limit in one or more of the duplicate analyses. The RPD results may not provide reliable information on the variability of the analysis.

FRIEDMAN & BRUYA, INC. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282

006074

SAMPLE CHAIN OF CUSTODY

KT CIZ June 15, 2000 1-30 PM

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ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

June 28, 2000

DUPLICATE COPY

INVOICE #00ACU0628-1

Accounts Payable Alaskan Copper Works 628 South Hanford St. Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M64386 - Results of testing requested by Gerry Thompson for material submitted on June 15, 2000.

FEDERAL TAX ID (b) (6)

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

June 28, 2000

Gerry Thompson, Project Manager Alaskan Copper Works 628 South Hanford St. Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on June 15, 2000 from your Metro Self Monitor, PO# M64386 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Kate Trafton Project Manager

Enclosures ACU0628R.DOC